

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

1 1. (Currently Amended) An apparatus for providing a graphical user
2 interface (GUI) comprising:
3 logic configured to execute GUI generation code and GUI user interaction
4 handling code; and
5 a display device in communication with said logic, wherein when said logic
6 executes the GUI generation code, a first window is displayed on the display device,
7 said first window presenting ~~at least one option that enables a user to open a file~~
8 ~~comprising execution results resulting from execution of a machine control sequence~~
9 ~~configured to move data storage media to and from a media interface~~ a first panel
10 configured to present a sequence of commands and a second panel configured to
11 present one or more available commands for adding commands to a presently
12 displayed sequence , ~~wherein when said file is opened, a second window is displayed~~
13 ~~on said display device, said second window displaying at least a summary of said~~
14 ~~execution results comprised in said file.~~

1 2. (Currently Amended) The apparatus of claim 1, wherein said first and
2 second windows ~~are displayed on the display device as active portions within a third~~
3 ~~window such that said first and second windows~~ panels are simultaneously and fully
4 viewable by a user.

1 3. (Currently Amended) The apparatus of claim 1, wherein said ~~summary~~
2 ~~includes information summarizing an entire run of said machine control sequence~~
3 comprises a representation of at least one device, ~~said run corresponding to one or~~
4 ~~more iterations of said machine control sequence.~~

1 4. (Currently Amended) The apparatus of claim 1 ~~3~~, wherein said
2 ~~machine control sequence has at least one step associated therewith, said at least one~~
3 ~~step having at least one device associated therewith, said at least one device having~~
4 has at least one command associated therewith.

1 5. (Currently Amended) The apparatus of claim ~~3~~ 4, wherein said ~~second~~
2 ~~window displays, in addition to said summary, detailed information describing each~~
3 ~~command executed during~~ at least one command further comprises an argument of
4 ~~said iterations.~~

1 6. (Currently Amended) The apparatus of claim ~~5~~ 40, wherein said
2 ~~detailed information~~ fourth panel includes a start time and an end time associated with
3 execution of each command executed ~~during said at least one of said iterations.~~

1 7. (Currently Amended) The apparatus of claim ~~5~~ 40, wherein said
2 ~~detailed information~~ fourth panel includes information defining ~~the~~ an iteration
3 associated with ~~the~~ a displayed command.

1 8. (Currently Amended) The apparatus of claim ~~5~~ 40, wherein said
2 ~~detailed information~~ fourth panel includes a step associated with the displayed
3 command.

1 9. (Currently Amended) The apparatus of claim ~~5~~ 40, wherein said
2 ~~detailed information~~ fourth panel includes a device associated with the displayed
3 command.

1 10. (Currently Amended) The apparatus of claim ~~5~~ 40, wherein said
2 ~~detailed information~~ fourth panel includes information indicating whether or not the
3 displayed command was successfully executed.

1 11. (Currently Amended) The apparatus of claim ~~4~~ 40, wherein said
2 ~~second window~~ fourth panel displays a unique iteration number identifier for each of
3 ~~said~~ one or more iterations, each of said iteration number identifiers uniquely
4 identifying a particular iteration of said ~~machine-control~~ sequence, and wherein when
5 a user selects one of said unique iteration number identifiers, detailed information
6 describing each command executed during the iteration associated with the selected
7 iteration number identifier is displayed on said display device.

1 12. (Currently Amended) The apparatus of claim 11, wherein said detailed
2 information ~~includes~~ comprises:
3 a start time and an end time associated with execution of each command that
4 was executed during the iteration associated with the selected iteration number
5 identifier;
6 information identifying the iteration associated with the displayed command;
7 a step associated with the displayed command;
8 a device associated with the displayed command; and
9 information indicating whether ~~or not~~ the displayed command was
10 successfully executed.

1 13. (Original) The apparatus of claim 1, wherein the GUI generation code
2 and the GUI user interaction handling code are written in an object-oriented, platform-
3 independent language.

1 14. (Currently Amended) A method for enabling a user to generate a
2 ~~analyze machine control sequence execution results~~, the method comprising:
3 presenting at least one option that enables a user to open a panel; and
4 displaying a ~~graphical user interface (GUI), the displayed GUI having a first~~
5 window responsive to selection of the at least one option, the first window presenting
6 at least one option that enables a user to open a panel ~~file comprising machine control~~
7 ~~sequence execution results resulting from execution of a machine control sequence~~
8 ~~configured to move data storage media to and from a media interface~~ present a
9 sequence in a first portion of the panel with a set of one or more available commands
10 for inserting into a presently displayed sequence in a second portion of the panel; and
11 ~~upon detecting a selection of said at least one option by the user, displaying a~~
12 ~~second window, said second window displaying at least a summary of said execution~~
13 ~~results comprised in said file.~~

1 15. (Currently Amended) The method of claim 14, wherein said first and
2 second ~~windows are displayed as active portions within a third window such that said~~
3 ~~first and second windows~~ portions are capable of being simultaneously and fully
4 viewable by a user.

1 16. (Currently Amended) The method of claim 14, wherein said ~~summary~~
2 ~~includes information summarizing an entire run of said machine control~~ sequence
3 comprises a representation of at least one device, said run corresponding to one or
4 ~~more iterations of said machine control sequence.~~

1 17. (Currently Amended) The method of claim ~~14~~ 16, wherein said
2 ~~machine control sequence has at least one step associated therewith, said at least one~~
3 ~~step having at least one device associated therewith, said at least one device having~~
4 has at least one command associated therewith.

1 18. (Currently Amended) The method of claim ~~14~~ 17, wherein said ~~second~~
2 ~~window displays, in addition to said summary, detailed information describing each~~
3 ~~command executed during at least one~~ command further comprises an argument of
4 ~~said iterations.~~

1 19. (Currently Amended) The method of current claim ~~18~~ 14, further
2 comprising:
3 presenting at least one option that enables a user to open a second panel
4 comprising wherein said detailed information includes a start time and an end time
5 associated with execution of each command ~~that was executed during the iteration~~
6 ~~associated with the selected iteration number identifier~~ of the sequence.

1 20. (Currently Amended) The method of claim ~~18~~ 19, wherein said
2 ~~detailed information includes~~ second panel comprises information identifying each an
3 iteration associated with the a displayed command.

1 21. (Currently Amended) The method of claim ~~18~~ 19, wherein said
2 ~~detailed information includes:~~ second panel comprises information identifying each
3 step associated with the displayed command; and information identifying each device
4 associated with ~~the~~ a displayed command.

1 22. (Currently Amended) The method of claim ~~18~~ 19, wherein said
2 ~~detailed information includes:~~ second panel comprises information indicating whether
3 ~~or not the~~ a displayed command was successfully executed.

1 23. (Currently Amended) A computer program for generating a graphical
2 user interface (GUI), the program being stored on a computer-readable medium, the
3 program comprising:
4 a first code segment, the first code segment generating a graphical user
5 interface (GUI) ~~and causing the GUI to be displayed on a display device, the displayed~~
6 ~~GUI having a first window, the first window presenting at least one option that~~
7 ~~enables a user to open a file panel comprising machine control a sequence execution~~
8 ~~results resulting from execution of a machine control sequence configured to move~~
9 ~~data storage media to and from a media interface together with a list of one or more~~
10 ~~available commands suitable for adding to the sequence; and~~
11 a second code segment configured to enable a user to select a command from
12 the list of commands; and
13 a ~~second~~ third code segment, the ~~second~~ third code segment configured to
14 determine ~~whether~~ when a selection of ~~said at least one option~~ a position within the
15 sequence has been made by ~~the~~ a user, wherein upon determining that the user has
16 selected ~~said at least one option~~ position within the sequence, the third code segment
17 inserts a select command from the list of commands in said sequence displaying on
18 ~~said display device a second window, said second window displaying at least a~~
19 ~~summary of said execution results comprised in said file on said display device.~~

1 24. (Currently Amended) The computer program of claim 23, wherein
2 ~~said summary includes information summarizing an entire run of said machine control~~
3 ~~sequence, said run corresponding to one or more iterations of said machine control~~
4 ~~sequence~~ comprises a representation of at least one device.

1 25. (Currently Amended) The computer program of claim ~~23~~ 24, wherein
2 said ~~machine control sequence has at least one step associated therewith, said at least~~
3 ~~one step having at least one device associated therewith, said at least one device~~
4 ~~having~~ has at least one command associated therewith.

1 26. (Currently Amended) The computer program of claim ~~24~~ 25, wherein
2 said ~~second window displays, in addition to said summary, detailed information~~
3 ~~describing each command executed during~~ at least one command further comprises an
4 argument of said iterations.

1 27. (Currently Amended) The computer program of claim ~~26~~ 23, further
2 comprising:
3 a fourth code segment configured to present a panel comprising wherein said
4 ~~detailed information includes~~ a start time and an end time associated with execution of
5 each command ~~that was executed during the iteration associated with the selected~~
6 ~~iteration number identifier~~ of the sequence.

1 28. (Currently Amended) The computer program of claim ~~26~~ 27, wherein
2 said ~~detailed information includes~~ panel comprises information identifying each an
3 iteration associated with the a displayed command.

1 29. (Currently Amended) The computer program of claim ~~26~~ 27, wherein
2 said ~~detailed information includes~~ panel comprises information identifying a step
3 associated with ~~the~~ a displayed command; and information identifying a device
4 associated with the displayed command.

1 30. (Currently Amended) The computer program of claim ~~26~~ 27, wherein
2 said ~~detailed information includes~~ panel comprises information indicating whether ~~or~~
3 ~~not the~~ a displayed command was successfully executed.

1 31. (Currently Amended) An apparatus, comprising:
2 a processor configured to execute logic configured to generate a graphical user
3 interface (GUI), logic configured to interact with at least one human to machine
4 interface, and logic configured to generate commands applied to control systems
5 within one or more remote devices; and
6 a display device in communication with said processor, wherein when said
7 processor executes the logic configured to generate the GUI, a first window is
8 displayed on the display device, said first window presenting at least one option that
9 enables a user to open a file panel comprising both a ~~machine control~~ sequence in a
10 first portion of the panel and a list of one or more commands in a second portion of
11 the panel ~~configured to move data storage media to and from a media interface.~~

1 32. (Currently Amended) The apparatus of claim 31, wherein said first
2 window presents an option, the selection of which executes the ~~machine control~~
3 sequence.

1 33. (Currently Amended) The apparatus of claim 32, wherein when said
2 ~~file is opened~~ option is selected, ~~a second window is displayed on said display device,~~
3 ~~said second window~~ the panel displays data resulting from the execution of the ~~machine~~
4 ~~control~~ sequence.

1 34. (Currently Amended) The apparatus of claim ~~32~~ 33, wherein ~~the data~~
2 resulting from ~~the~~ execution of the ~~machine control~~ sequence comprises a summary of
3 information from the one or more remote devices.

1 35. (Previously Presented) The apparatus of claim 34, wherein the one or
2 more remote devices comprise devices configured to house and manipulate data storage
3 media.

1 36-38. (Canceled)

1 39. (New) The apparatus of claim 1, wherein the window further
2 comprises a third panel configured to communicate with a device identified by the
3 sequence.

1 40. (New) The apparatus of claim 39, wherein the window further
2 comprises a fourth panel configured to execute the sequence.